



Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 49914  
Application ID: 09912844  
Title of Invention: HIGH PRESSURE PROCESSING  
CHAMBER FOR SEMICONDUCTOR  
SUBSTRATE  
First Named Inventor: Maximilian Biberger  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2001-07-24  
Effective Receipt Date: 2003-10-29  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 5915  
Attorney Docket Number: NONE  
Total Fees Authorized: 180.0  
Payment Category: Deposit Account  
Deposit Account Number: 81275  
Deposit Account Name: Thomas B. Haverstock  
Access Code: \*\*\*\*\*  
RAM Payment Status: RAM success  
RAM User ID: EFSPROD  
RAM Accounting Date: 2003-10-29  
RAM Sequence Number: 23






Digital Certificate Holder: cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and  
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 980e6354fe0a0ca3e40d3e11c55426246290918c



## TRANSMITTAL

Electronic Version v1.1


Stylesheet Version v1.1.0

| Title of<br>Invention   | HIGH PRESSURE PROCESSING CHAMBER FOR<br>SEMICONDUCTOR SUBSTRATE |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
|---|---|--|---------------------------|-------------|--|--|------------|------------------|------------------------|------------------------|--------|----------------------|------|------------|-------------------------|------------|--|
| <table border="0"><tr><td>Application Number:</td><td>09/912844</td><td></td></tr><tr><td>Date:</td><td colspan="2">2001-07-24</td></tr><tr><td>First Named Applicant:</td><td colspan="2">Maximilian A. Biberger</td></tr><tr><td>Confirmation Number:</td><td colspan="2">5915</td></tr><tr><td>Attorney Docket Number:</td><td colspan="2"></td></tr></table>  |   |  | Application Number:       | 09/912844   |  | Date:  | 2001-07-24 |                  | First Named Applicant: | Maximilian A. Biberger |        | Confirmation Number: | 5915 |            | Attorney Docket Number: |            |  |
| Application Number:   | 09/912844   |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| Date:   | 2001-07-24  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| First Named Applicant:  | Maximilian A. Biberger  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| Confirmation Number:  | 5915  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| Attorney Docket Number:   |   |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| <p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Thomas B. Haverstock<br/>Registered Number: 32571</td><td>/tbh/</td><td>Attorney</td></tr></tbody></table> |   |  | Submitted by:             | Elec. Sign. | Sign. Capacity   | Thomas B. Haverstock<br>Registered Number: 32571 | /tbh/      | Attorney         |                        |                        |        |                      |      |            |                         |            |  |
| Submitted by:   | Elec. Sign.   | Sign. Capacity   |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| Thomas B. Haverstock<br>Registered Number: 32571  | /tbh/   | Attorney   |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| <table border="0"><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-fee-sheet</td><td>SSI00501A-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xml</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr><tr><td>us-ids</td><td>SSI00501A-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xml</td></tr></table>   |   |  | Documents being submitted | Files       | us-fee-sheet   | SSI00501A-usfees.xml                             |            | us-fee-sheet.xml |                        | us-fee-sheet.dtd       | us-ids | SSI00501A-usidst.xml |      | us-ids.dtd |                         | us-ids.xml |  |
| Documents being submitted   | Files   |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| us-fee-sheet  | SSI00501A-usfees.xml  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
|   | us-fee-sheet.xml  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
|   | us-fee-sheet.dtd  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
| us-ids  | SSI00501A-usidst.xml  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
|   | us-ids.dtd  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |
|   | us-ids.xml  |  |                           |             |  |  |            |                  |                        |                        |        |                      |      |            |                         |            |  |

Comments

**FEE TRANSMITTAL**


Electronic Version v08  
Stylesheet Version v08.0

| <b>Title of<br/>Invention</b>  | <b>HIGH PRESSURE PROCESSING CHAMBER FOR<br/>SEMICONDUCTOR SUBSTRATE</b> |  |             |           |             |   |      |     |     |  |  |
|--|---|--|-------------|-----------|-------------|---|------|-----|-----|--|--|
| Application Number: 09/912844  |   |  |             |           |             |   |      |     |     |  |  |
| Date: 2001-07-24   |   |  |             |           |             |   |      |     |     |  |  |
| First Named Applicant: Maximilian A. Biberger  |   |  |             |           |             |   |      |     |     |  |  |
| Attorney Docket Number:  |   |  |             |           |             |   |      |     |     |  |  |
| <b>TOTAL FEE AUTHORIZED \$180</b>  |   |  |             |           |             |   |      |     |     |  |  |
| Patent fees are subject to annual revisions on or about October 1st of each year.  |   |  |             |           |             |   |      |     |     |  |  |
| <b>BASIC FILING FEE</b>  |   |  |             |           |             |   |      |     |     |  |  |
| <table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table> |   | Fee Description  | Fee Code    | Amount \$ | Fee Paid \$ | Submission Of Information Disclosure Stmt Fee | 1806 | 180 | 180 |  |  |
| Fee Description  | Fee Code  | Amount \$  | Fee Paid \$ |           |             |   |      |     |     |  |  |
| Submission Of Information Disclosure Stmt Fee  | 1806  | 180  | 180         |           |             |   |      |     |     |  |  |
| <b>AUTHORIZED BILLING INFORMATION</b>  |   |  |             |           |             |   |      |     |     |  |  |
| The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:   |   |  |             |           |             |   |      |     |     |  |  |
| Deposit account number: 081275   |   |  |             |           |             |   |      |     |     |  |  |
| Access Code ****   |   |  |             |           |             |   |      |     |     |  |  |
| Deposit name: Haverstock and Owens LLP   |   |  |             |           |             |   |      |     |     |  |  |
| Deposit authorized name: Thomas B. Haverstock  |   |  |             |           |             |   |      |     |     |  |  |
| Signature: /tbh/   |   |  |             |           |             |   |      |     |     |  |  |
| Date (YYYYMMDD): 2003-10-29  |   |  |             |           |             |   |      |     |     |  |  |
| Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.   |   |  |             |           |             |   |      |     |     |  |  |



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

| Title of Invention  | HIGH PRESSURE PROCESSING CHAMBER FOR SEMICONDUCTOR SUBSTRATE |            |            |                |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|---|--|------------|------------|----------------|------|----------|----------|-------|----------|--|---|---------|------------|---------------|--|--|--|--|---|---------|------------|--------|--|--|--|--|---|---------|------------|---------------|--|--|--|--|---|---------|------------|---------------|--|--|--|--|---|---------|------------|------|--|--|--|--|---|---------|------------|----------|--|--|--|--|---|---------|------------|---------------|--|--|--|--|---|---------|------------|----------------|--|--|--|--|---|---------|------------|-------------|--|--|--|--|----|---------|------------|--------|--|--|--|--|----|---------|------------|-------|--|--|--|
| <div>Application Number: 09/912844 </div> <div>Confirmation Number: 5915</div> <div>First Named Applicant: Maximilian Biberger</div> <div>Attorney Docket Number:</div> <div>Search string: ( 2617719 or 2625886 or 3744660 or 3968885 or 4029517 or 4091643 or 4245154 or 4341592 or 4355937 or 4367140 or 4406596 or 4422651 or 4474199 or 4522788 or 4549467 or 4592306 or 4601181 or 4626509 or 4670126 or 4682937 or 4693777 or 4749440 or 4778356 or 4789077 or 4823976 or 4825808 or 4827867 or 4838476 or 4865061 or 4879431 or 4917556 or 4924892 or 4951601 or 4960140 or 4983223 or 5011542 or 5044871 or 5062770 or 5071485 or 5105556 or 5167716 or 5169296 or 5169408 or 5186718 or 5188515 or 5190373 or 5191993 ).pn.</div>  |  |            |            |                |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
| <h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>2617719</td><td>1952-11-11</td><td>C. R. Stewart</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>2625886</td><td>1953-01-20</td><td>Browne</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>3744660</td><td>1973-07-10</td><td>Gaines et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>3968885</td><td>1976-07-13</td><td>Hassan et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>4029517</td><td>1977-06-14</td><td>Rand</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>4091643</td><td>1978-05-30</td><td>Zucchini</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>4245154</td><td>1981-01-13</td><td>Uehara et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>4341592</td><td>1982-07-27</td><td>Shortes et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>4355937</td><td>1982-10-26</td><td>Mack et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>4367140</td><td>1983-01-04</td><td>Wilson</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>4406596</td><td>1983-09-27</td><td>Budde</td><td></td><td></td><td></td></tr></tbody></table> |  | init       | Cite.No.   | Patent No.     | Date | Patentee | Kind     | Class | Subclass |  | 1 | 2617719 | 1952-11-11 | C. R. Stewart |  |  |  |  | 2 | 2625886 | 1953-01-20 | Browne |  |  |  |  | 3 | 3744660 | 1973-07-10 | Gaines et al. |  |  |  |  | 4 | 3968885 | 1976-07-13 | Hassan et al. |  |  |  |  | 5 | 4029517 | 1977-06-14 | Rand |  |  |  |  | 6 | 4091643 | 1978-05-30 | Zucchini |  |  |  |  | 7 | 4245154 | 1981-01-13 | Uehara et al. |  |  |  |  | 8 | 4341592 | 1982-07-27 | Shortes et al. |  |  |  |  | 9 | 4355937 | 1982-10-26 | Mack et al. |  |  |  |  | 10 | 4367140 | 1983-01-04 | Wilson |  |  |  |  | 11 | 4406596 | 1983-09-27 | Budde |  |  |  |
| init  | Cite.No.   | Patent No. | Date       | Patentee       | Kind | Class    | Subclass |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 1  | 2617719    | 1952-11-11 | C. R. Stewart  |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 2  | 2625886    | 1953-01-20 | Browne         |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 3  | 3744660    | 1973-07-10 | Gaines et al.  |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 4  | 3968885    | 1976-07-13 | Hassan et al.  |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 5  | 4029517    | 1977-06-14 | Rand           |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 6  | 4091643    | 1978-05-30 | Zucchini       |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 7  | 4245154    | 1981-01-13 | Uehara et al.  |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 8  | 4341592    | 1982-07-27 | Shortes et al. |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 9  | 4355937    | 1982-10-26 | Mack et al.    |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 10   | 4367140    | 1983-01-04 | Wilson         |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |
|   | 11   | 4406596    | 1983-09-27 | Budde          |      |          |          |       |          |  |   |         |            |               |  |  |  |  |   |         |            |        |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |      |  |  |  |  |   |         |            |          |  |  |  |  |   |         |            |               |  |  |  |  |   |         |            |                |  |  |  |  |   |         |            |             |  |  |  |  |    |         |            |        |  |  |  |  |    |         |            |       |  |  |  |

|  |    |         |            |                    |
|--|----|---------|------------|--------------------|
|  | 12 | 4422651 | 1983-12-27 | Platts             |
|  | 13 | 4474199 | 1984-10-02 | Blaudszun          |
|  | 14 | 4522788 | 1995-06-11 | Sitek et al.       |
|  | 15 | 4549467 | 1985-10-29 | Wilden et al.      |
|  | 16 | 4592306 | 1986-06-03 | Gallego            |
|  | 17 | 4601181 | 1986-07-22 | Privat             |
|  | 18 | 4626509 | 1986-12-02 | Lyman              |
|  | 19 | 4670126 | 1987-06-02 | Messer et al.      |
|  | 20 | 4682937 | 1987-07-28 | Credle, Jr.        |
|  | 21 | 4693777 | 1987-09-15 | Hazano et al.      |
|  | 22 | 4749440 | 1988-06-07 | Blackwood et al.   |
|  | 23 | 4778356 | 1988-10-18 | Hicks              |
|  | 24 | 4789077 | 1988-12-06 | Noe                |
|  | 25 | 4823976 | 1989-04-25 | White, III et al.  |
|  | 26 | 4825808 | 1989-05-02 | Takahashi et al.   |
|  | 27 | 4827867 | 1989-05-09 | Takei et al.       |
|  | 28 | 4838476 | 1989-06-13 | Rahn               |
|  | 29 | 4865061 | 1989-09-12 | Fowler et al.      |
|  | 30 | 4879431 | 1989-11-07 | Bertoncini         |
|  | 31 | 4917556 | 1990-04-17 | Stark et al        |
|  | 32 | 4924892 | 1990-05-15 | Kiba et al.        |
|  | 33 | 4951601 | 1990-08-28 | Maydan et al.      |
|  | 34 | 4960140 | 1990-10-02 | Ishijima et al.    |
|  | 35 | 4983223 | 1991-01-08 | Gessner            |
|  | 36 | 5011542 | 1991-04-30 | Weil               |
|  | 37 | 5044871 | 1991-09-03 | Davis et al.       |
|  | 38 | 5062770 | 1991-11-05 | Story et al.       |
|  | 39 | 5071485 | 1991-12-10 | Matthews et al.    |
|  | 40 | 5105556 | 1992-04-21 | Kurokawa et al.    |
|  | 41 | 5167716 | 1992-12-01 | Boitnott et al.    |
|  | 42 | 5169296 | 1992-12-08 | Wilden             |
|  | 43 | 5169408 | 1992-12-08 | Biggerstaff et al. |
|  | 44 | 5186718 | 1993-02-16 | Tepman et al.      |
|  | 45 | 5188515 | 1993-02-23 | Horn               |
|  | 46 | 5190373 | 1993-03-02 | Dickson et al.     |
|  | 47 | 5191993 | 1993-03-09 | Wanger et al.      |

## Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current electronic filing contains part 1 out of a total of 4 electronic filings.

## Signature

| Examiner Name | Date |
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